

PROPOSAL NO. 8-21

**BROWN COUNTY
PUBLIC WORKS DEPARTMENT**

SPECIFICATIONS FOR
THREE (3) QUAD-AXLE ONE-WAY DUMP BODIES,
HYDRAULIC SYSTEMS, & SALT SPREADER CONTROLS

Name of Company Submitting Proposal

Street Address

City, State & Zip

Certified/Cashier's Check or Bond #: _____

Amount of Check or Bond: \$ _____

Name of Bank: _____

(To Be Filled In By Vendor)

SUBMIT TO:

BROWN COUNTY PUBLIC WORKS
Highway Duck Creek Office
2198 Glendale Avenue
Green Bay, WI 54303

PROPOSAL DEADLINE: MARCH 4, 2021 – 2:00 p.m.

This specification shall be returned in its entirety to the Brown County Public Works Department.
Instructions contained herein shall be adhered to.

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ADVERTISEMENT FOR PROPOSALS

Sealed proposals will be received by the Brown County Public Works Department at the Main Highway Shop Office at 2198 Glendale Avenue, Green Bay, Wisconsin, 54303, until **2:00 p.m., Thursday, March 4, 2021**, for the following equipment:

THREE (3) ONE-WAY DUMP BODIES, HYDRAULIC SYSTEMS,
AND SALT SPREADER CONTROLS
TO BE FURNISHED AND DELIVERED TO THE BROWN COUNTY PUBLIC
WORKS DEPARTMENT FOR INSTALLATION ON NEW
QUAD-AXLE DUMP TRUCKS

The Public Works Department reserves the right to reject any or all proposals submitted, or to accept any part or combination thereof, to waive any technicalities, and to accept any proposal deemed most advantageous to Brown County.

Proposals shall be submitted on Brown County Public Works Department forms and specifications; which may be obtained by accessing the Brown County website @ www.browncountywi.gov, **Departments, Public Works – Highway, Bids & RFP's**.

Any proposal submitted after the date and time specified will be rejected.

A certified check, cashier's check, or bid bond payable to the Brown County Public Works Department in the amount of not less than five percent (5%) of the quotation, shall accompany each quotation as a guarantee that if the quotation is accepted, the proposer will carry out the provisions of the proposal.

FOR: BROWN COUNTY PUBLIC WORKS DEPARTMENT

BY: PAUL A. FONTECCHIO, P.E.
Highway Commissioner / Director

SPECIAL PROVISIONS

The Brown County Public Works Department will receive sealed proposals for furnishing and delivering **THREE (3) ONE-WAY DUMP BODIES, HYDRAULIC SYSTEMS, AND SALT SPREADER CONTROLS**, to be installed by Brown County on new quad-axle trucks.

Proposals shall be submitted on forms provided by, and addressed to, the Brown County Public Works Department, 2198 Glendale Avenue, Green Bay, Wisconsin, 54303, and marked "Proposal #8-21 – Dump Bodies". Proposals will be received until **2:00 p.m., Thursday, March 4, 2021**, at the Main Highway Shop Office.

These specifications are a part of the proposals and shall remain attached to same. Proposals shall be accompanied by **a certified or cashier's check** in the amount of not less than five percent (5%) of the quotation, made payable to the Brown County Public Works Department as a guarantee that the terms of the proposal will be carried out by the company submitting same. **Bid bonds** will also be acceptable.

All supplies or equipment sold to Brown County shall be sold at the risk of the contractor or seller until accepted by the Brown County Public Works Department. **Terms of Payment:** No payment will be made until after inspection and acceptance by the Highway Department or their agent.

The Public Works Department reserves the right to reject any or all proposals submitted, or to accept any part or combination thereof, to waive any technicalities, and to accept any proposal deemed most advantageous to Brown County.

Should the U.S. Government, by its action, affect or prevent a vendor from fulfillment of the terms of his proposal, he should immediately furnish proof of same in writing. Upon receiving such proof, vendor will be released from his contract, and his check or bond will be returned.

All proposals shall be firm proposals for at least 45 days from proposal opening date.

Proposals shall be on specifications as herein furnished and shall not be altered.

Checks or bonds will be returned to unsuccessful proposers upon acceptance of the successful proposal, or within 45 days of opening of proposals.

The deposit of the successful proposer will be returned to him upon performance of all conditions of the proposal, or forfeited to Brown County Public Works Department in case of failure to comply with said proposal conditions.

Brown County is exempt from Federal Excise Tax, but if there is a tax, it shall be shown in the proposal.

Proposer shall indicate full information as requested in spaces provided hereinafter.

More than one proposal may be submitted if submitted on a Brown County specification form. Separate proposals shall be used for each model proposed.

Delivery of all components contained within this proposal shall be received by Brown County within ninety (90) days of the written bid award to the successful bidder.

MINIMUM SPECIFICATIONS

Any questions regarding this proposal and/or its contents should be directed to Fleet Manager Jim Beaupre at (920) 662-2177 or by email at jim.beaupre@browncountywi.gov.

BODY:

Shall consist of the following:

- 18' long 7' wide inside
- 100% welded throughout
- Crossmemberless design
- Smooth sides with no horizontal or vertical bracing on sides
- U.S. manufactured
- Sloping one-piece sides 62" to 52"
- 18" side to floor radius
- Doghouse not to take up more than 12" in depth of body 3/16" AR450 steel; 190,000 psi tensile strength 150,000 psi yield strength
- Top rail shall be dirt shedding and made of 3/16" 304 stainless steel
- Fenders shall be 3/16" 304 stainless steel
- Rear corner post to be made of 3/16" 304 stainless steel
- Rear bolster to be made of 1/4" 304 stainless steel
- Minimum 7-gauge AR450 sides and front
- Three (3) oblong light holes in rear corner posts for stop/tail/turn, reverse and strobe lights
- One (1) stainless 3/4" re-rod and grab handle walk rail step on left front corner
- Stainless steel mounting tabs for the ladder on driver's side above center of rear drive
- Stainless steel brackets installed on body before powdercoat to provide support for Minimizer 4000 Series fenders

Comply? ☐ Yes ☐ No If no, note any deviations from this list: _____

FLOOR & UNDERSTRUCTURE:

Shall consist of the following:

- 1/4" AR450 steel; 190,000 psi tensile strength 150,000 psi yield strength
- Longsills minimum 12" high made of 1/4" 304 stainless steel
- Factory installed 4" ID x 4 3/4" OD pipe through right and left side longsill above rear hinge
- Six (6) heavy wall mechanical tubes through floor and reverse taper to secure in bed tank.

Comply? ☐ Yes ☐ No If no, note any deviations from this list: _____

MINIMUM SPECIFICATIONS: (continued)**CABSHIELD:**

Shall consist of the following:

- Designed to extend a minimum of 30" forward of headsheet
- 84" wide; 10 ga stainless steel
- 100% welded to front bulkhead
- Notched to fit Aero 565 tarp as close to the top of the front headsheet as possible

Comply? ☐ Yes ☐ No If no, note any deviations from this list: _____

TAILGATE:

Shall consist of the following:

- 52" high
- Sloped forward 12" and have a stainless-steel reverse taper under the floor at the rear
- 3.5" tubular perimeter 304 stainless steel structure
- 3/16" AR450 steel pressed single tailgate panel, integral dirt shedding peaked top and all braces to be dirt shedding
- 3/8" x 2 1/2" angle welded on lower edge of tailgate for strength
- 1.5" thick stainless upper tailgate hinges with 1.25" greaseable pins
- 1" thick flame cut stainless lower latch fingers
- Air trip tailgate release cylinder (Tectron 29x350x8) mounted at rear between longsills' cylinder retracted in lock position
- Tailgate latch cross-shaft shall have over center mechanisms directly behind latch finger
- 3/8" high tensile spreader chains
- D-ring mounted inside top of tailgate for removal
- All tailgate hardware below floor shall be stainless steel

Comply? ☐ Yes ☐ No If no, note any deviations from this list: _____

TARP:

Shall consist of the following:

- Aero 565 electric tarp system with side mount series spring assemblies. Brackets for spring assemblies shall be mid-mounted on the body sides
- Tarp assembly shall be mounted in aluminum enclosure mounted on top of cab shield leaving the load space un-obstructed

MINIMUM SPECIFICATIONS: (continued)**TARP:** (Continued)

- Tarp stops shall hold the tarp a minimum of 1" above tailgate

Comply? ☐ Yes ☐ No If no, note any deviations from this list: _____

HOIST:

Shall consist of the following:

- NTEA class 120 rating
- Minimum two(2) year warranty
- Mailhot G4-170-5.7-4SA trunnion mounted hoist cylinder
- Pins shall be greaseable and removable
- Hoist basket shall be clamp on style with no outside frame brackets, allowing for easy installation of scraper side plates

Comply? ☐ Yes ☐ No If no, note any deviations from this list: _____

HYDRAULIC PUMP:

Shall consist of the following:

- Front mounted Model PVAC100 Parker load-sensing pump
- The hydraulic filter shall be 10 micron and rated no less than 100 GPM
- Pressure side of the pump shall have a shut-off-valve
- Pump mounting plate included
- Shall have a 1 ¼" keyed drive shaft and SAE Type C mounting flange
- Pump driveline included
- All hydraulic engineering shall be performed by Force America

Comply? ☐ Yes ☐ No If no, note any deviations from this list: _____

HYDRAULIC TANK & VALVE ENCLOSURE:

Shall consist of the following:

- Behind-the-cab fuel/hydraulic oil/valve enclosure integrated into one assembly

MINIMUM SPECIFICATIONS: (continued)**HYDRAULIC TANK & VALVE ENCLOSURE:** (Continued)

- Minimum 115-gallon fuel capacity
- Minimum 35-gallon hydraulic oil capacity
- Integrated valve enclosure with removable sides/rear panel with stainless T-handle latch
- Entire system is stainless steel
- 4-point rubber-mounted bushing to truck frame
- Tank shall be 80" wide x 18.5" deep x 34" tall
- RA9533-ISS fuel sending unit
- In-tank hydraulic return line filter assembly
- Internal tank baffling for both fuel and hydraulic oil
- Grip strut step to allow for safer filling of fuel
- Basket type filler breather cap, mounted on the top of the tank
- Magnetic drain plug
- 2" NPT suction with 100 mesh screen type filter (p/n TFS2020-0-3)
- Separate return port for control drain line
- Sight and temperature gauge externally mounted
- Filter shall be in tank mounted Zinga model TS-1200-25-1-0 with indicator gauge
- Suction ports for hydraulic oil at bottom of tank shall be 2", one located close to front wall and one located close to rear wall
- Separate stainless steel valve plate for mounting valve
- Oil tank level & temperature sensor
- Required Misc. Parts:
 - ~ 2" 1/2 –turn ball valve for suction
 - ~ 2" x 2" barbed nipple
 - ~ Size 32 suction elbow and clamp kit for pump
 - ~ #16 O-ring to #16 O-ring 90 degree elbow (male to male)
 - ~ #16 O-ring female to #20 O-ring male adaptor
 - ~ #16 O-ring male to #16 JIC male 90 degree

Comply? ☐ Yes ☐ No If no, note any deviations from this list: _____

CONTROL VALVE REQUIREMENTS:TRUCK 1 – Shall have a Right Wing & Front Plow.

Control valves shall be U.S. manufactured and are to be Parker MCV-ISO load-sensing, manifold-mounted, spool type, with O'ring ports. Shall consist of the following:

Valve sections to be arranged in one compartment, as follows:

- End cover: SPIN-A-VEYER 14 GPM & 7GPM, used for direct liquid application
- Hoist: single-acting, 40 GPM

MINIMUM SPECIFICATIONS: (continued)**CONTROL VALVE REQUIREMENTS:** (Continued)TRUCK 1 – Shall have a Right Wing & Front Plow. (Continued)

- Plow lift: double-acting cylinder, 21 GPM
- Plow angle: double-acting cylinder with auxiliary cross-port relief valve to protect the cylinder, 21 GPM
- Right wing toe: double-acting cylinder, 21 GPM with holding valves
- Right wing heel: double-acting cylinder, 21 GPM
- Sander auger: 21 GPM spool and built-in pressure compensator to operate left & right
- Sander spinner: 5 GPM spool and built-in pressure compensator to operate left & right

Joystick Controls:

- Dual axis joystick for plow lift and angle with standby button
- Dual axis joystick for right wing toe and heel with blast button
- Single axis joystick for hoist with interlock

Switches needed:

- Vibrator
- Tarp/open/close

Comply? ☐ Yes ☐ No If no, note any deviations from this list: _____

TRUCKS 2 & 3 – Shall have a Right Wing, Left Wing, Scraper & Front Plow.

Control valves shall be U.S. manufactured and are to be Parker MCV-ISO load-sensing, manifold-mounted, spool type, with O'ring ports. Shall consist of the following:

Valve sections to be arranged in one compartment, as follows:

- End cover: SPIN-A-VEYER 14 GPM & 7GPM, used for direct liquid application
- Hoist: single-acting, 40 GPM
- Plow lift: double-acting cylinder, 21 GPM
- Plow angle: double-acting cylinder with auxiliary cross-port relief valve to protect the cylinder, 21 GPM
- Right wing toe: double-acting cylinder, 21 GPM with holding valves
- Right wing heel: double-acting cylinder, 21 GPM
- Left wing toe: double-acting cylinder, 21 GPM with holding valves
- Left wing heel: double-acting cylinder, 21 GPM
- Sander auger: 21 GPM spool and built-in pressure compensator to operate left & right
- Sander spinner: 5 GPM spool and built-in pressure compensator to operate left & right
- Underbody scraper turn: double-acting cylinder with auxiliary cross-port relief valve to protect the cylinder, 21 GPM
- Underbody raise & lower: double-acting cylinder, 21 GPM with constant down pressure and an adjustable shock relief.

Joystick Controls:

- Dual axis joystick for left wing toe & heel

MINIMUM SPECIFICATIONS: (continued)

CONTROL VALVE REQUIREMENTS: (Continued)

TRUCKS 2 & 3 – Shall have a Right Wing, Left Wing, Scraper & Front Plow.

- Dual axis joystick for plow lift and angle with standby button
- Dual axis joystick for scraper lift and angle with blast button
- Dual axis joystick for right wing toe and heel
- Single axis joystick for hoist with interlock

Switches needed:

- Vibrator
- Tarp/open/close

Comply? ☐ Yes ☐ No If no, note any deviations from this list: _____

CONTROL CENTER:

Shall consist of the following:

- Force America Patrol Commander MPJC Ultra joystick controller (no equal)
- Force America latest generation 6100 spreader control (no equal)

Comply? ☐ Yes ☐ No If no, note any deviations from this list: _____

IN-BED LIQUID TANK SYSTEM:

Shall consist of the following:

- Wedge style tank
- 1,700- gallon minimum capacity
- Tank shall fit against front headsheet around the dog house and fit within an inch of each sidewall
- 2" Porting in top for vents and 3" at rear for discharge and filling.
- Stainless center spray bar with eight (8) solid stream non-adjustable downstream nozzles and one at the end on far left shall be provided
- Manual shut off for right half of boom
- Closed loop flow meter and 70 GPM centrifugal hydraulic driven liquid stainless steel pump with all required fittings

Comply? ☐ Yes ☐ No If no, note any deviations from this list: _____

MINIMUM SPECIFICATIONS: (continued)

SENSORS:

Shall consist of the following:

- Precise WTS-01 wireless road and air temp sensors, provides to integrate with 6100 controllers
- In-motor auger sensor
- Plow up/down sensor

Comply? ☐ Yes ☐ No If no, note any deviations from this list: _____

PREPARATION & PAINT:

Shall consist of the following:

- Entire body assembly shall be shot-blasted to remove mill scale after all components are welded
- The body shall then pass through an alkaline wash and clean water rinse
- Phosphate wash, clear water rinse and shall then be oven dried
- The body then shall be pre-heated to a minimum of 100 degrees
- Powder coat shall be electro statically applied in excess of 3 mils thick
- Powder coat shall be oven cured for minimum 25 minutes at 400 degrees
- Powder paint shall be TGIC polyester, Black

Comply? ☐ Yes ☐ No If no, note any deviations from this list: _____

REPLACEMENT TAILGATE SPREADER:

Shall consist of the following:

- Constructed of 201 stainless steel
- Assembly is all 3/16" with 1/4" endplates
- All seams are continuously welded
- Full width auger located below dump body floor
- Full opening unobstructed top lid
- Full opening unobstructed bottom clean out
- Auger to have 3/8" x 6" flighting with a 4" pitch
- Auger supported by 1 1/2" sealed reliable 2 bolt bearings
- Auger driven by direct drive hydraulic motor
- Hydraulic interlock preventing access with auger running
- Free swinging left and right spinners with poly spinner disc
- Hydraulic spinner motor to include seal saver poly block
- Side plates above the spreader shall completely fill the gap between the tailgate and truck body

REPLACEMENT TAILGATE SPREADER: (Continued)

- Spinner assembly has easy one-man mount and dismount spinner is self-leveling at all angles of dump body

Comply? ☐ Yes ☐ No If no, note any deviations from this list: _____

SAFETY EQUIPMENT:

Shall consist of the following:

- Back-up alarm
- Two frame-mounted stainless body props Part #00143913 with V-notch at the top to fit pocket welded to longills
- Body props mounted to the truck frame with grease zerks @ pivot point
- Controller shall have hoist height limit and body up light and include two (2) mercury switches

Comply? ☐ Yes ☐ No If no, note any deviations from this list: _____

MISCELLANEOUS:

Shall consist of the following:

- Cougar Model 3200 DC vibrator shall be mounted under the center of the dump body approximately 5' 6" from the front of the body
- Stainless 6 rung fold down ladder mounted on driver side rear above center of rear drive
- Stainless steel fasteners shall be used in all instances unless strength requirements cannot be met

Comply? ☐ Yes ☐ No If no, note any deviations from this list: _____

EQUIPMENT OPTIONS:

OPTION 1– HIGH-LIFT TAILGATE.

- Powered by hydraulic cylinders enclosed in the rear corner posts
- Include valve section in stack; add a fold to operate cylinders
- Include switch in ultra control to operate high-lift gate
- Bracketry inside corner post, supporting cylinders; Shall be stainless steel
- Cylinders shall be accessible for maintenance and removal

OPTION 2– READY-TO-INSTALL BODY. (On Brown County chassis)

Shall consist of the following:

- Cab shield

MINIMUM SPECIFICATIONS: (continued)

EQUIPMENT OPTIONS: (Continued)

OPTION 2– READY-TO-INSTALL BODY (Continued). (On Brown County chassis)

- Ladder
- Tailgate Spreader
- Side Shields
- In-bed Tank
- Vibrator
- Tarp

The above-listed option locations shall be confirmed with Brown County Fleet Manager Jim Beaupre prior to installation.

SPECIFICATION DATA SHEET

In the space provided hereinafter indicate full information requested. Failure to answer the questions will invalidate your quotation.

1. Make and model of proposed dump body: _____
2. Gauge type and yield strength of material used on the body:
 - (a) Sides: _____ (b) Floor: _____
 - (c) Longsill: _____ (d) Tailgate: _____
3. Briefly describe frame of body of proposed model (i.e., ribs, supporting members, etc.): _____

4. Describe type, make, & model of the proposed salt spreader control systems: _____

 - (b) Is this system guaranteed? ☐ Yes ☐ No If so, for how many hours of operation? _____ hours
5. Hoist:
 - (a) Describe type, make, & model of the proposed hoist: _____

 - (b) Is hoist basket clamp-on style? ☐ Yes ☐ No (c) Is the hoist a 3-stage? ☐ Yes ☐ No
 - (d) How many tons can the hoist raise? _____ Tons (e) Give the active sleeve diameters: _____
 - (f) Describe hoist warranty: _____

6.
 - (a) Make & model of the hydraulic system: _____
 - (b) Make & model of the pump: _____
 - (c) Hydraulic tank capacity: _____ (d) Hydraulic pump capacity: _____
 - (e) Make & model of the hydraulic filter: _____
 - (f) List make & model of the control valves: _____
7. Make & model of vibrator: _____

8. Describe the tailgate locking system: _____

9. Make & model of the asphalt tarp: _____

QUOTATION FORM

For furnishing and delivering THREE (3) QUAD AXLE DUMP BODIES, HYDRAULIC SYSTEMS, AND SALT SPREADER CONTROLS totally equipped as here before specified, to the Brown County Public Works Department – Highway Garage, 2198 Glendale Avenue, Green Bay, Wisconsin, 54303.

This proposal is submitted by the undersigned in accordance with the specifications, provisions, and manufacturer's printed specifications, which are attached to this proposal.

1. Make & model proposed:

Dump Body: _____

Hydraulic System: _____

2. Three (3) Quad Axles - Total list price of complete units proposed:

List Price Each *(see below) \$ _____

Discount (Each) \$ _____

3. Total Net Price Three Units: \$ _____

4. Option 1 Cost (per unit): \$ _____

5. Option 2 Cost (per unit): \$ _____

6. Delivery Date: _____

The undersigned submitting this proposal hereby declares and agrees to furnish the equipment as listed herein in accordance with the terms, conditions and requirements of the within and foregoing proposal and specifications.

PROPOSAL SUBMITTED BY:

Company Name: _____

Company Address: _____

Phone Number: _____

Representative Name & Title (*please print or type*): _____

Representative Signature: _____ Date: _____

Witness Signature & Title: _____ Date: _____

* Successful bidder will be required to provide the separated cost of the replacement tailgate spreader, the in-bed liquid tank system, the plow sensor, auger sensor, wireless air/road temp sensor, and GPS/ABL systems sensor.

EQUIPMENT WARRANTY FORM

1. Make & model of proposed equipment: _____
2. Number of Units: _____
3. Length of time the warranty is in effect: _____ Days / Hours / Years
4. What part(s) on the delivered equipment **will not** be covered by such warranty: _____

5. Does the warranty cover replacement parts only? ☐ Yes ☐ No

- (a) If yes, does warranty cover just the replacement of parts F.O.B. Brown County Highway Department, Green Bay, Wisconsin? ☐ Yes ☐ No

- (b) If yes, does warranty cover the replacement of the parts and all labor to make such replacement at no cost to Brown County? ☐ Yes ☐ No

If such replacement parts and all labor necessary for making such replacement is covered in the warranty at no cost to Brown County, will such work be performed by the quoter's mechanic in Brown County Highway Shop, Green Bay, Wisconsin? ☐ Yes ☐ No

If not, name & address in which such work will be performed: _____

6. Name and location of 24-hour parts/service: _____

7. General Remarks - Pertinent to the conditions of the warranty given: _____

*** Successful quoter shall furnish a warranty covering the abovementioned equipment complete as contained in this proposal and as quoted. Warranty shall cover and protect Brown County against faulty material and workmanship on any and all parts on equipment as delivered.

THIS WARRANTY IS A SUPPLEMENT TO AND SUPERSEDES THE MANUFACTURER'S WARRANTY

SIGNED: (Warranty shall be signed by company President or Secretary)

Company Name: _____

Company Address: _____

Representative Name & Title (please print or type): _____

Representative Signature: _____ Date: _____

Witness Signature & Title: _____ Date: _____

